

FIGURE 1

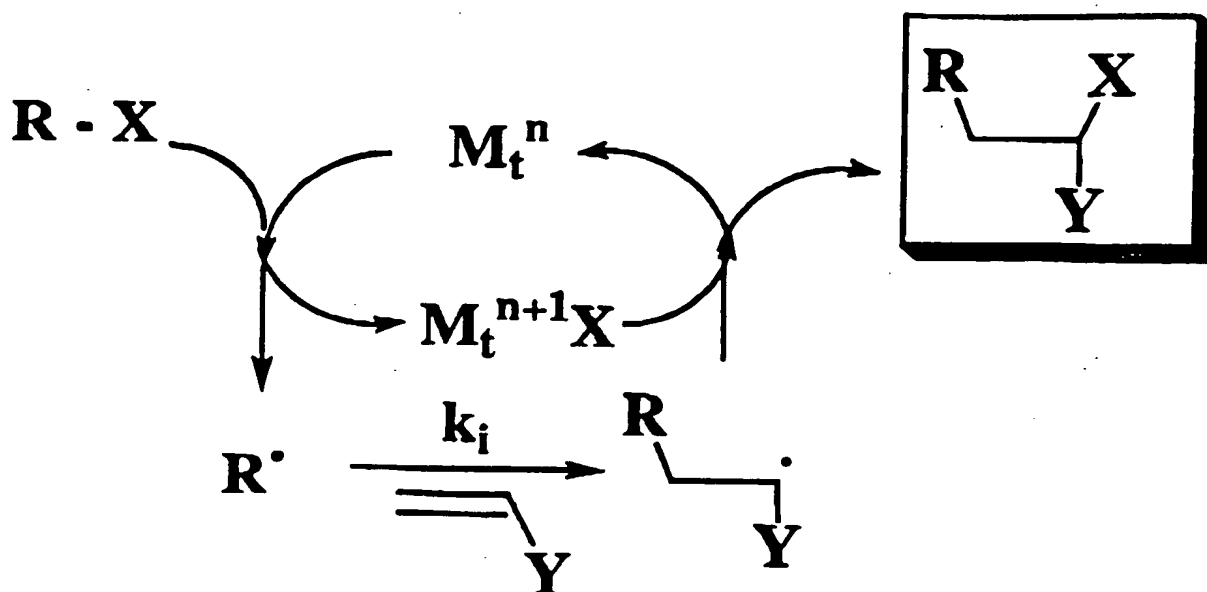
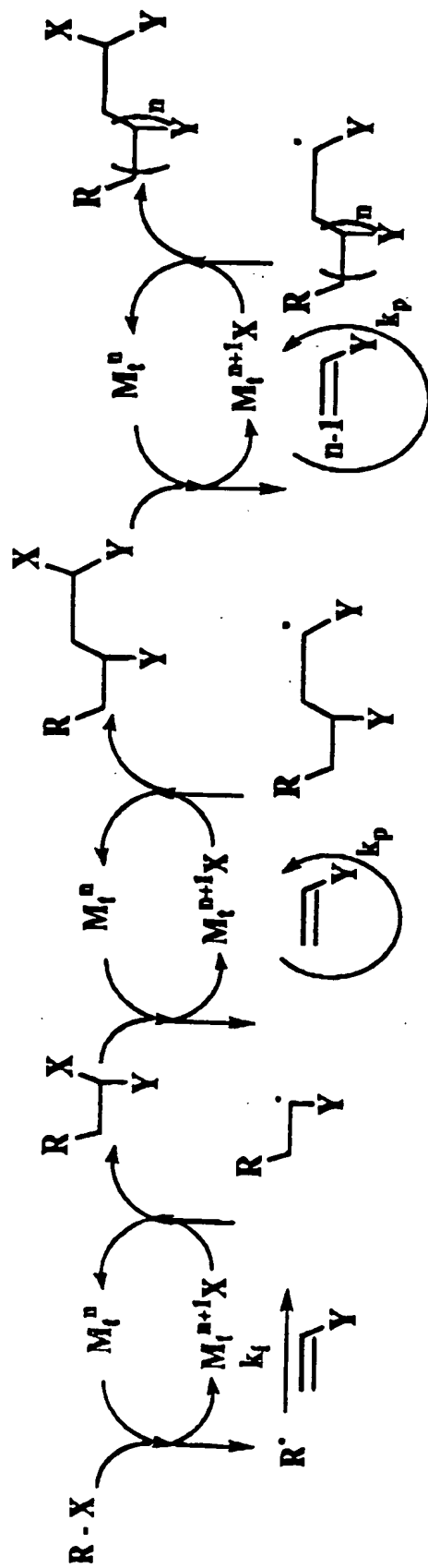
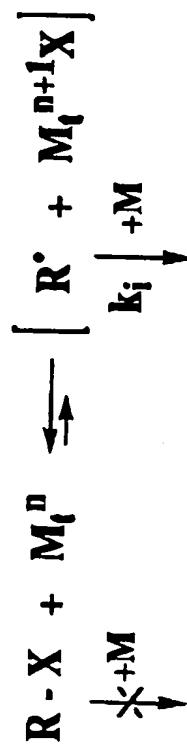


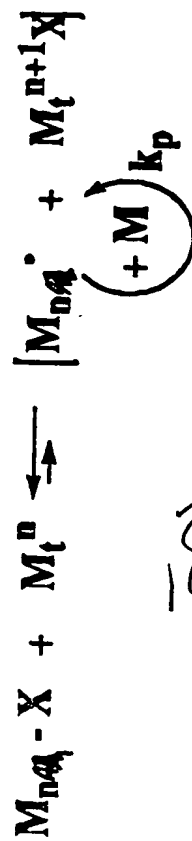
FIGURE 2



Initiation:



Propagation:



BB

FIGURE 3

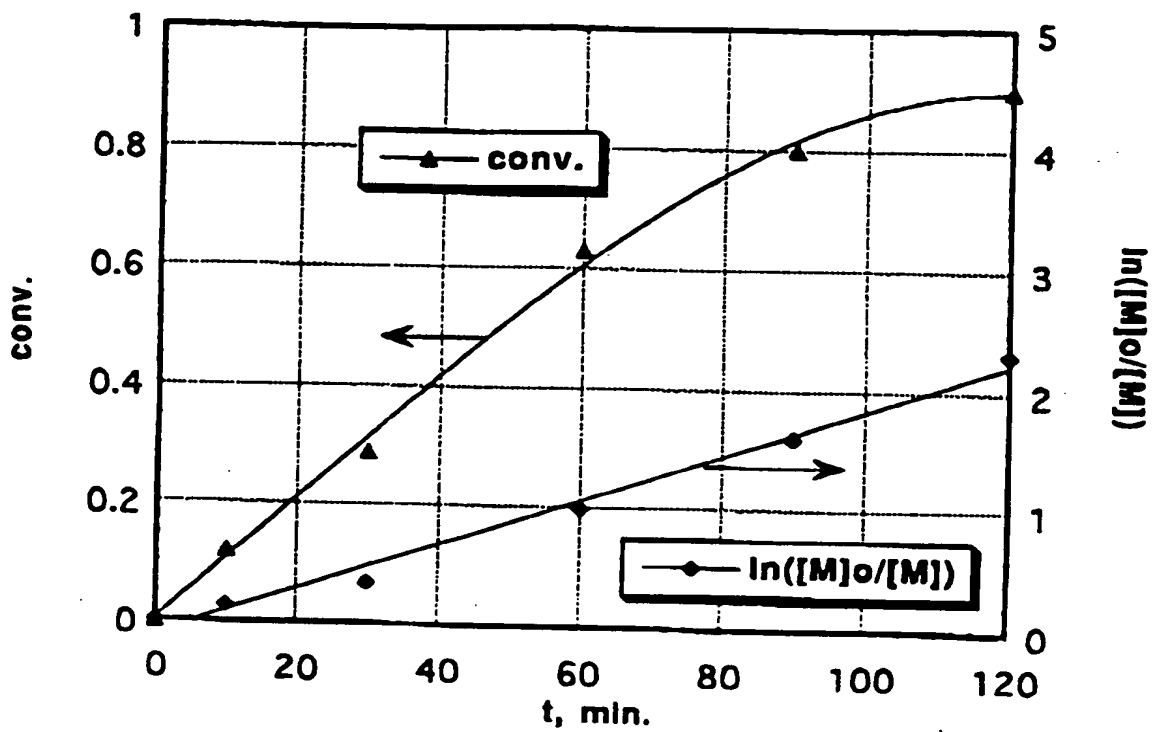
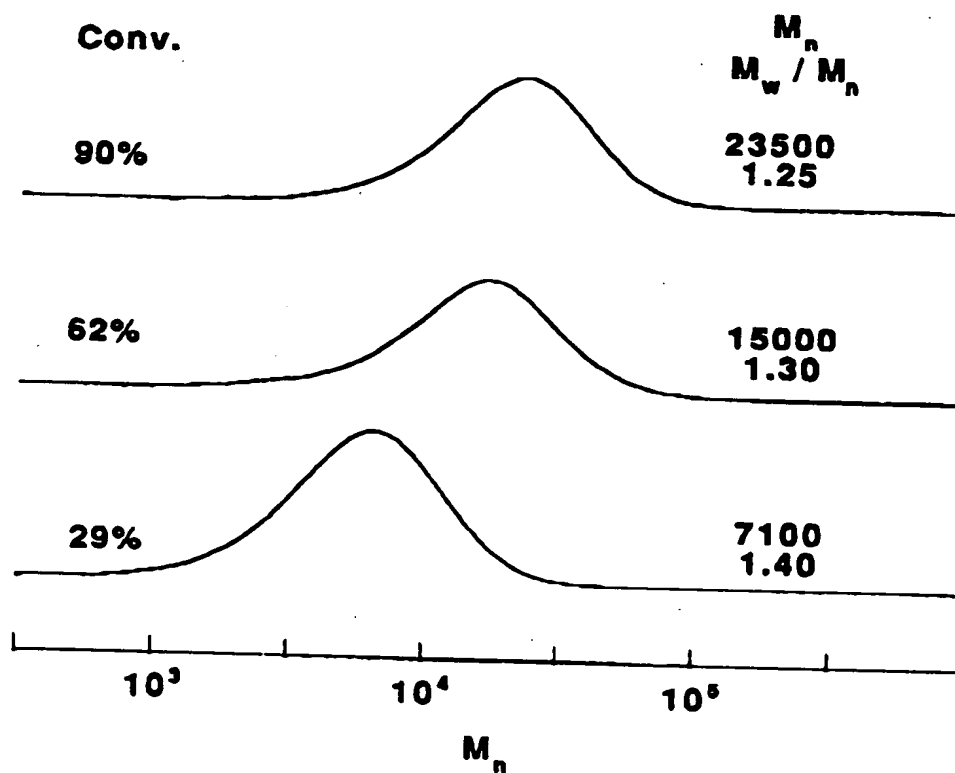


FIGURE 4



BB

FIGURE 5

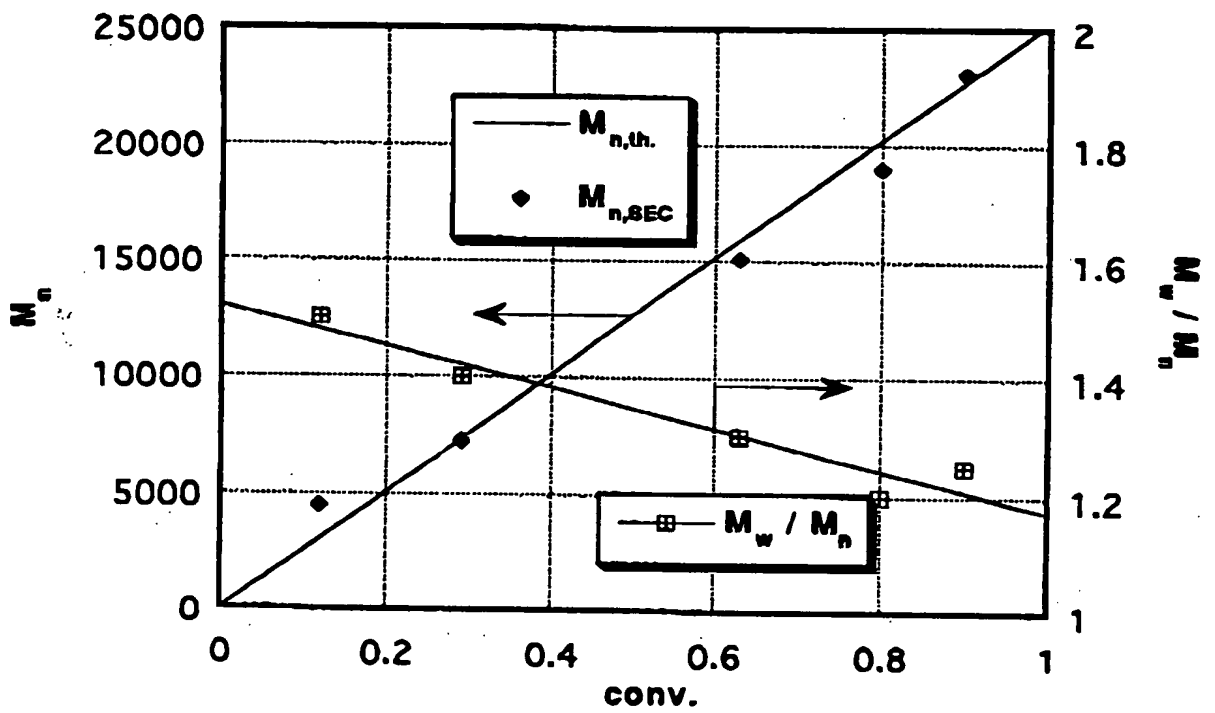


FIGURE 6

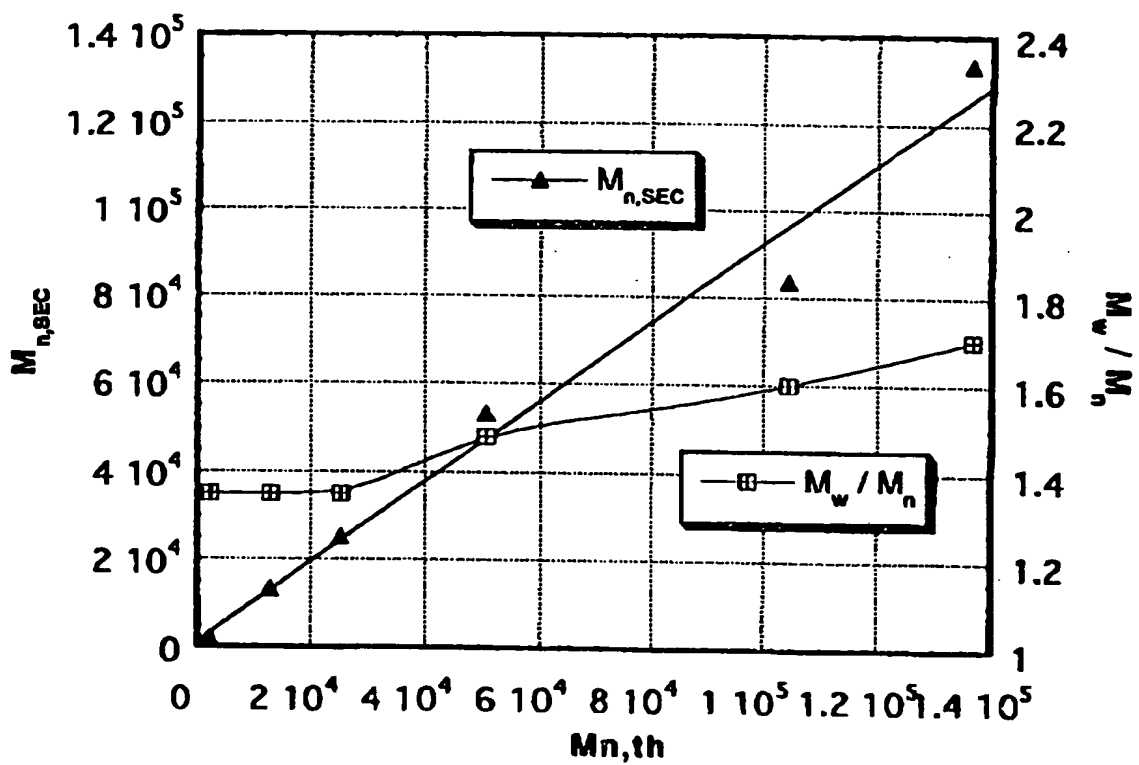
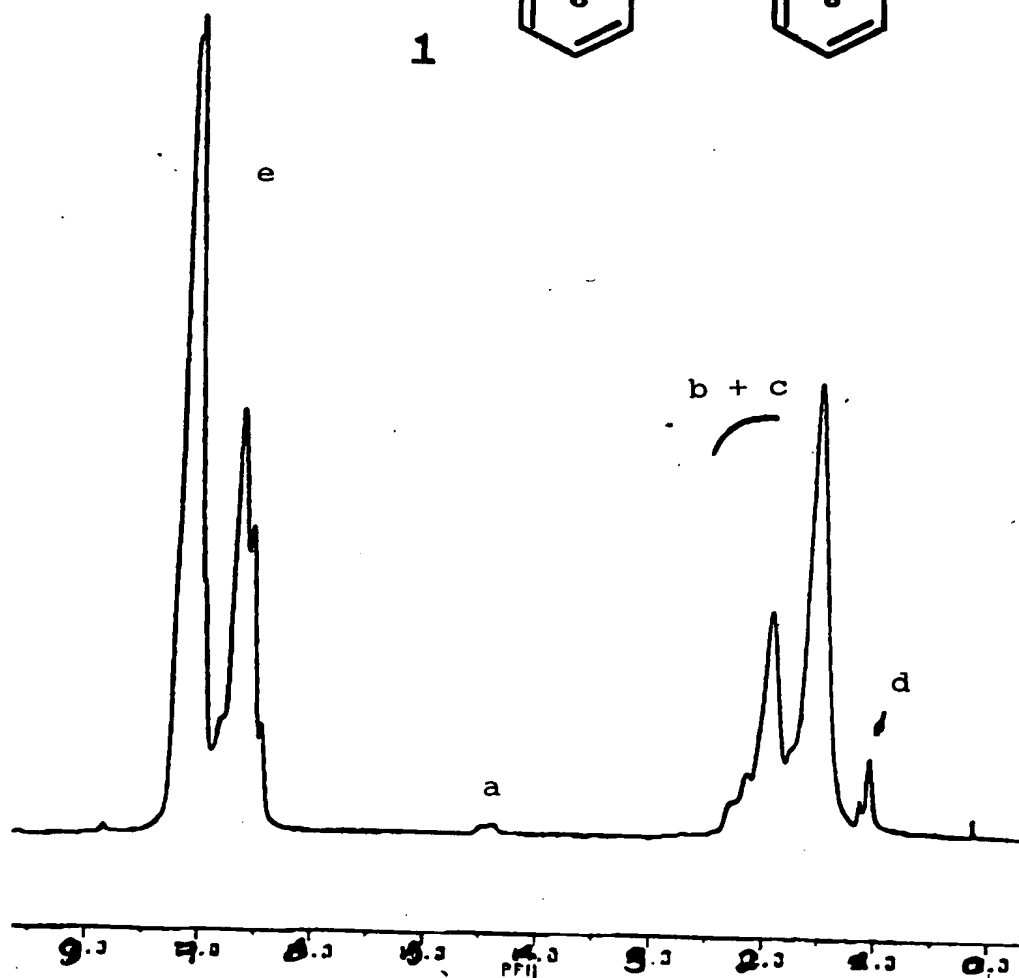
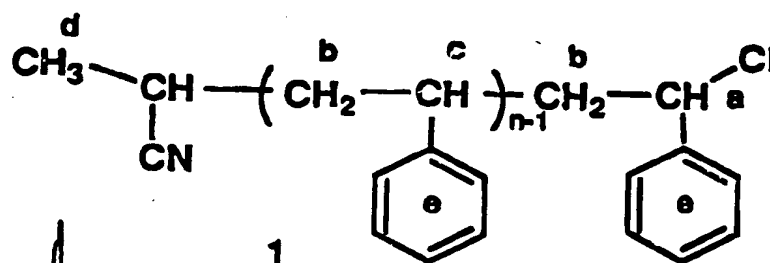


FIGURE 7



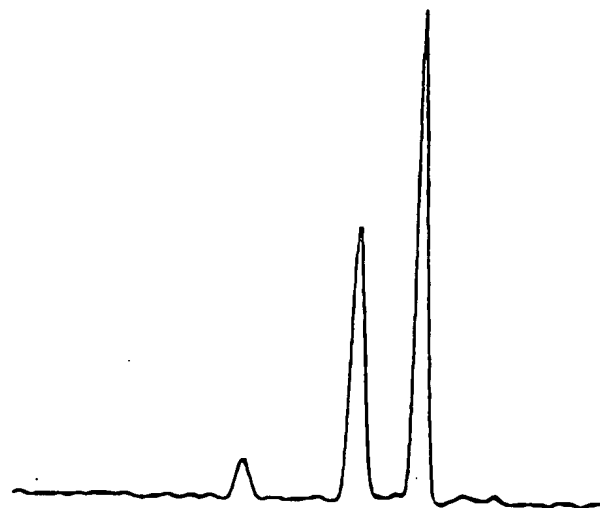
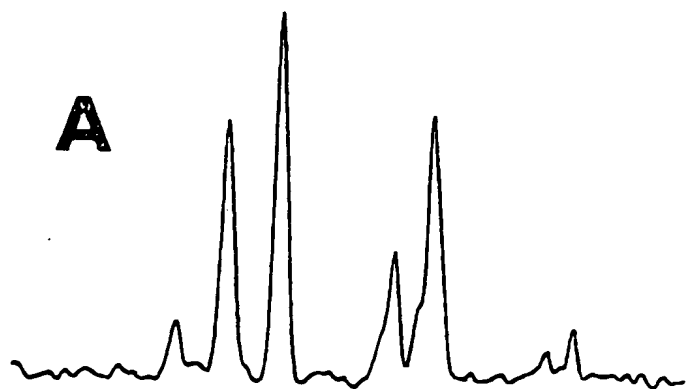
BB

FIGURE 8

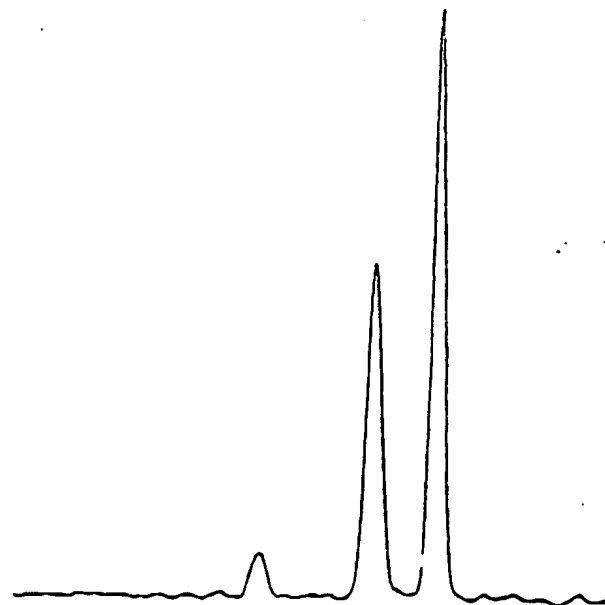
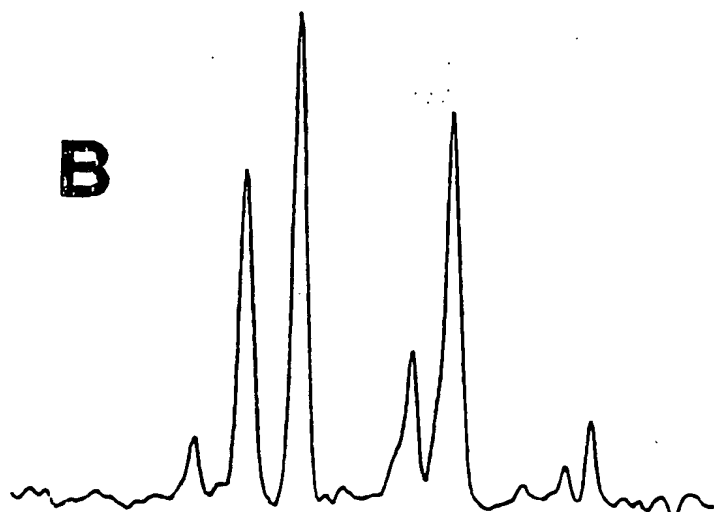
C=O

-C-

A



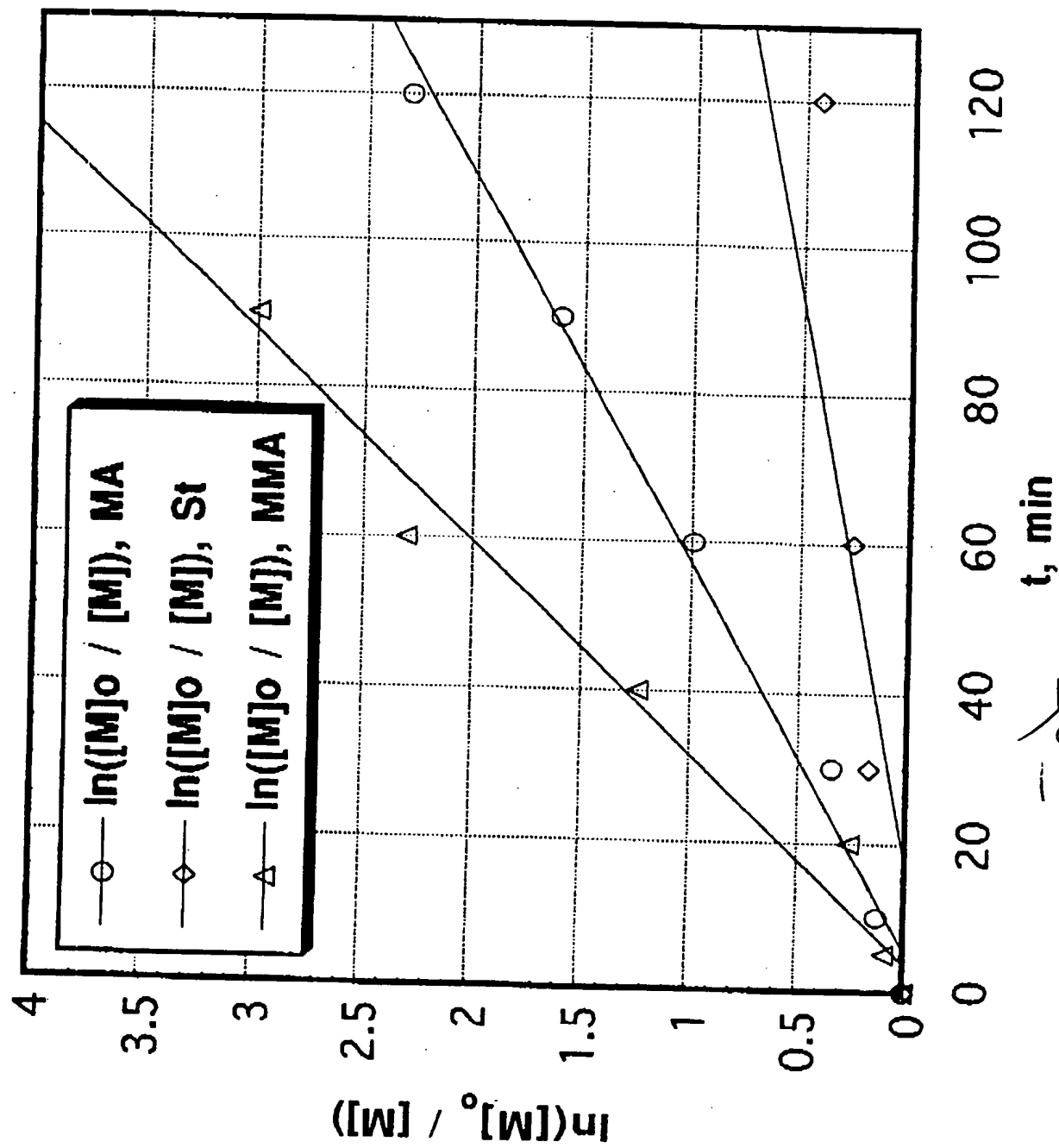
B



BB

BB

FIGURE 9



BB

FIGURE 10

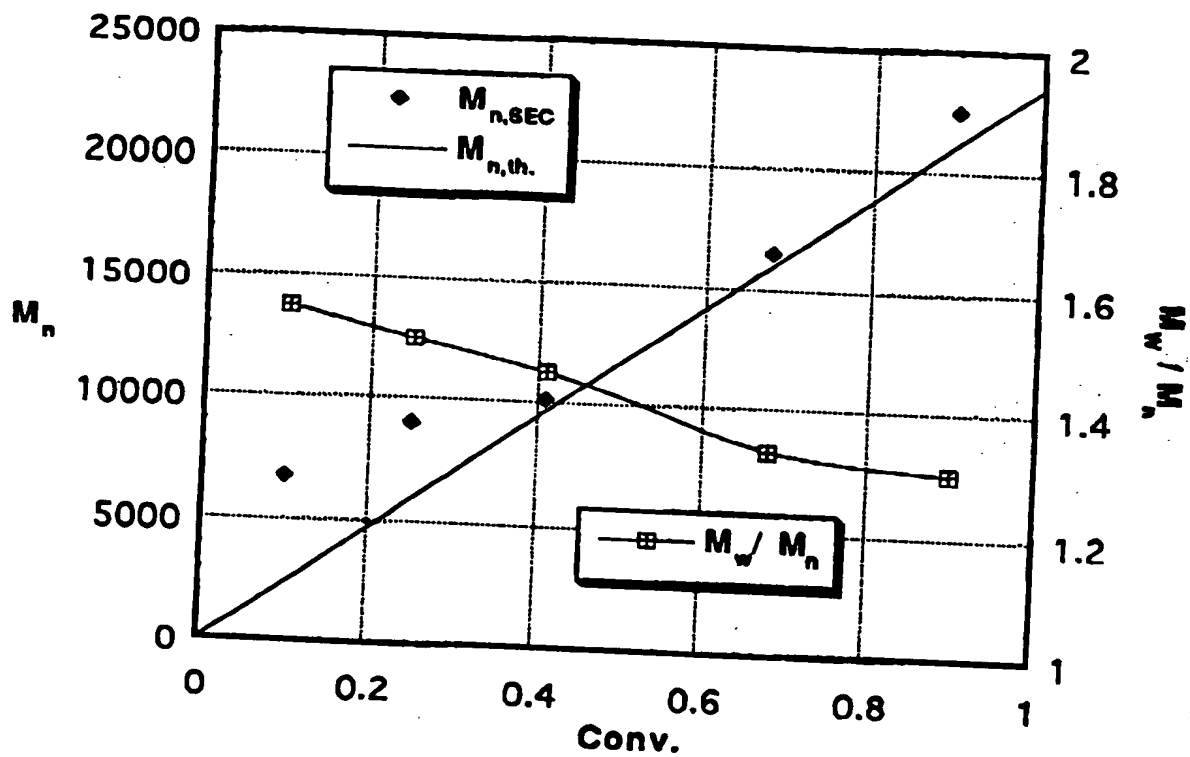


FIGURE 11

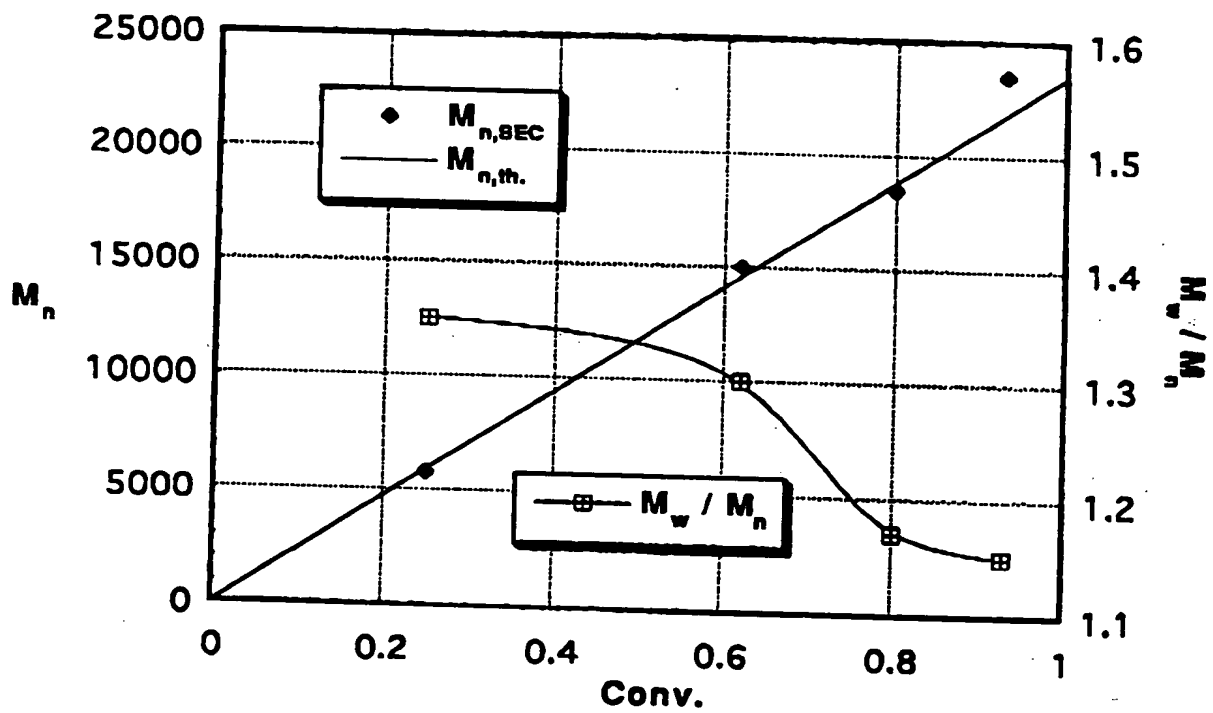
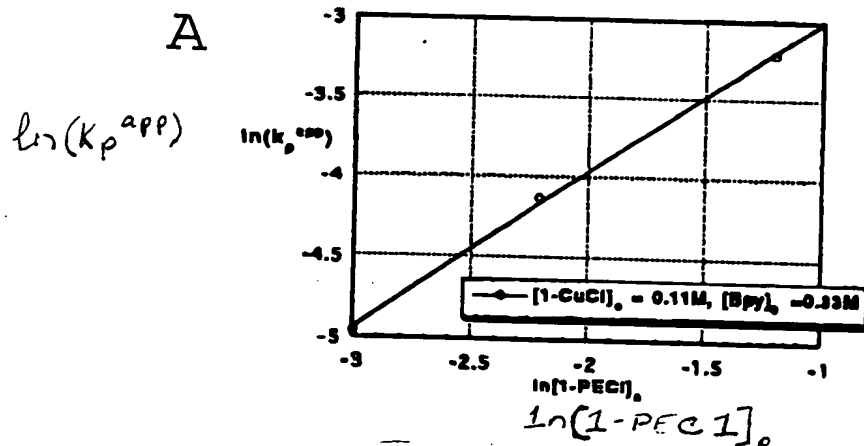
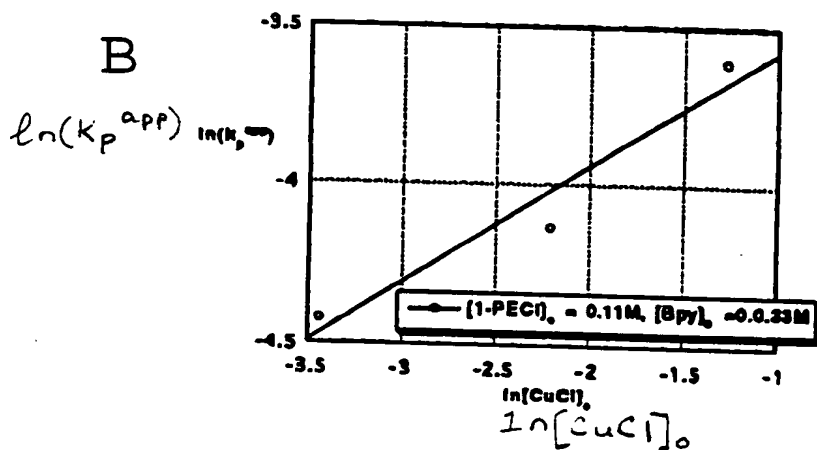


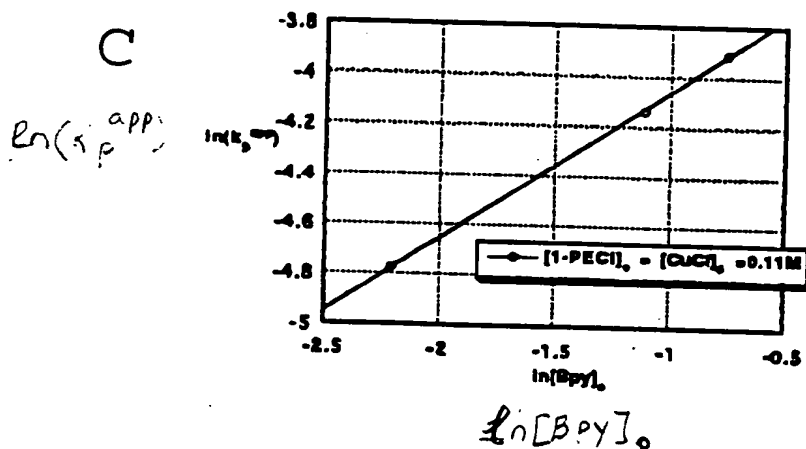
FIGURE 12



$[1-CuCl]_0 = 0.11M$
 $[Bpy]_0 = 0.33M$



$[1-PECI]_0 = 0.11M$
 $[Bpy]_0 = 0.33M$

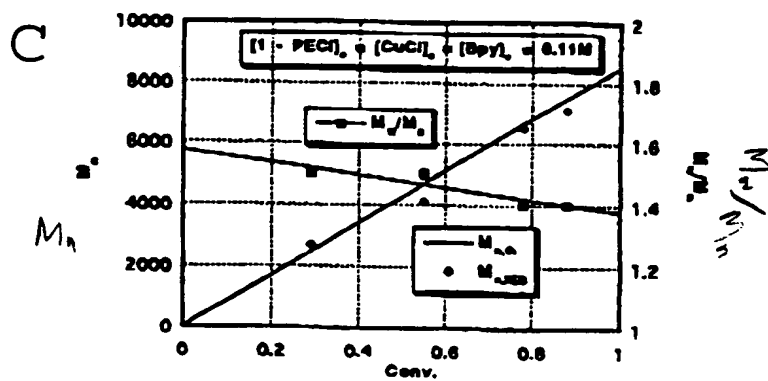
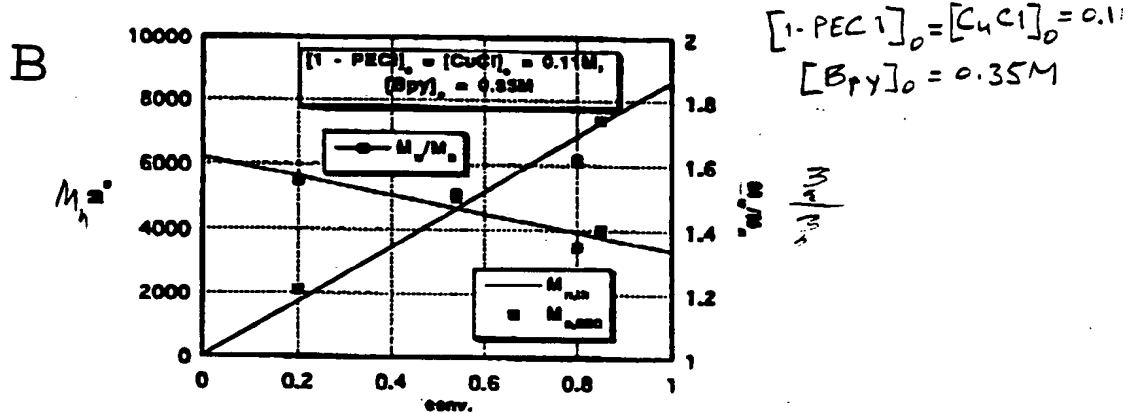
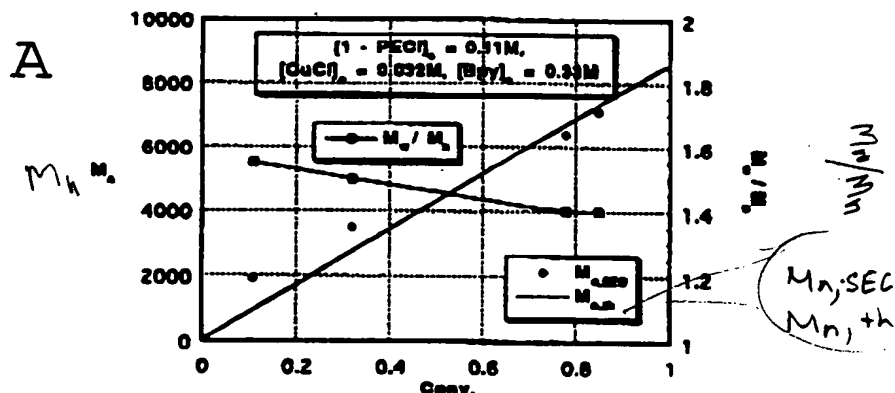


$[1-PECI]_0 = [CuCl]_0$
 $0.11M$

BB

FIGURE 13

$[1-PECI]_0 = 0.11M$,
 $[CuCl]_0 = 0.032M$, $[Bpy]_0 = 0.33M$



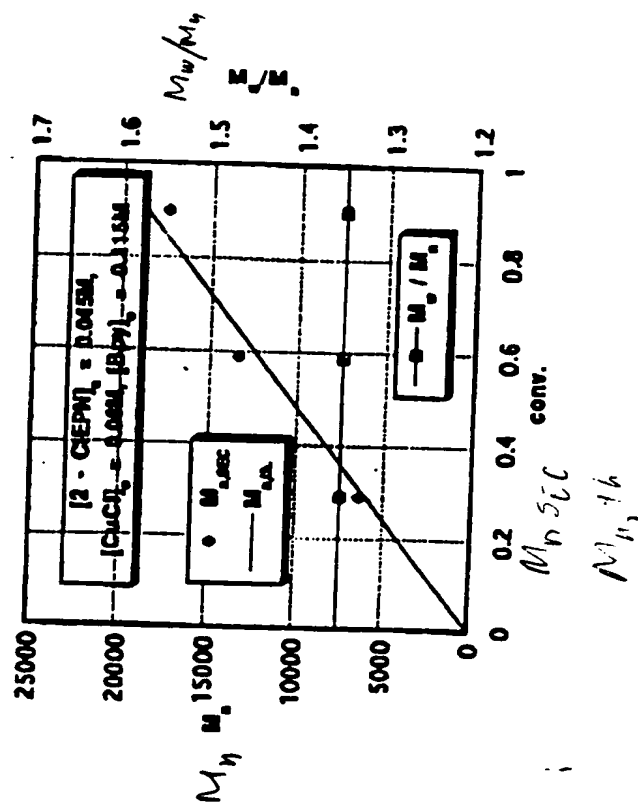
BB

FIGURE 14

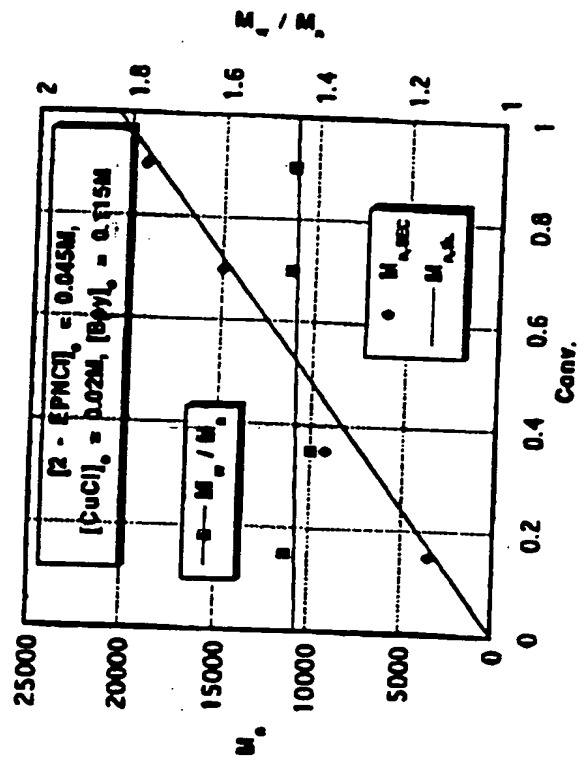
$$[Z-CIEPN]_0 = 0.045M$$

$$[CuCl]_0 = 0.08M, [BPy]_0 = 0.115M$$

A

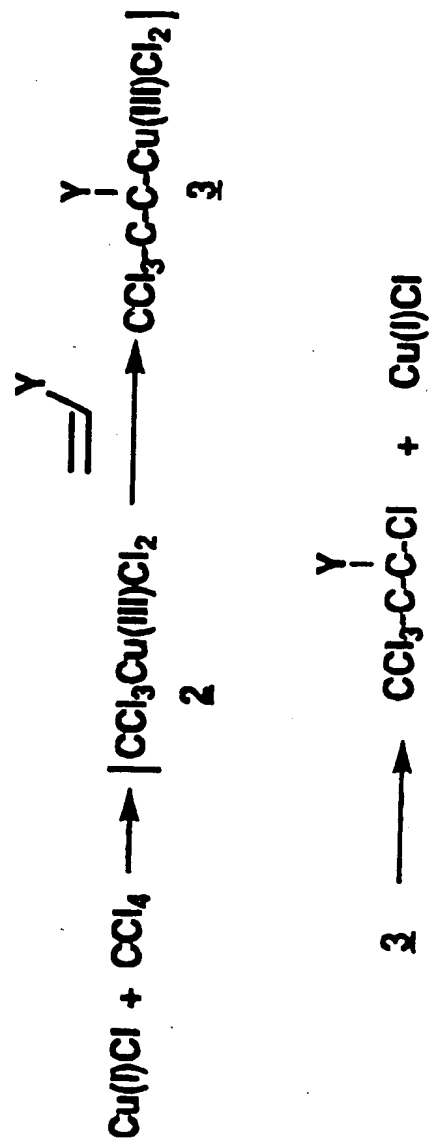


B



BB1

FIGURE 15

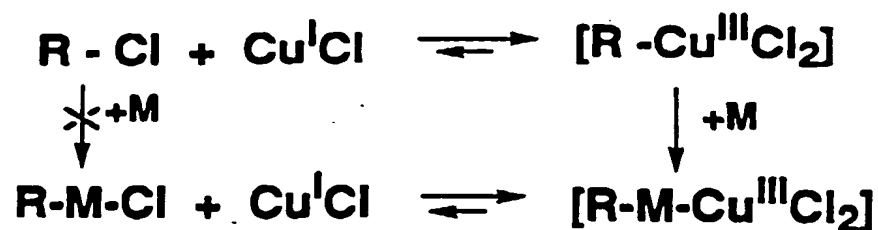


BB1

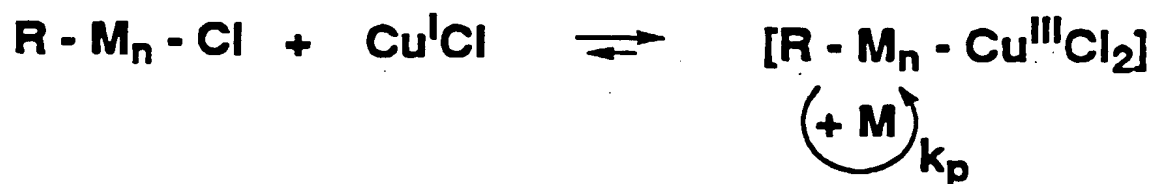
BB

FIGURE 16

Initiation:



Propagation:

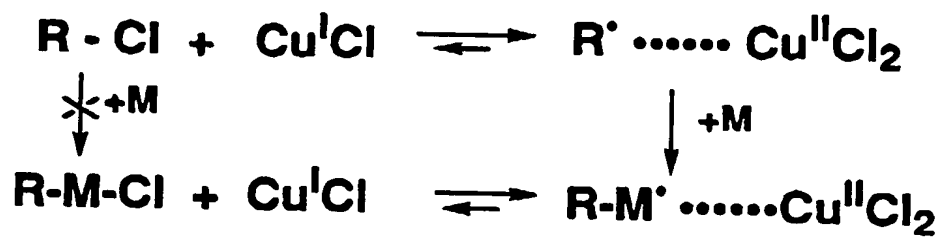


BB
int

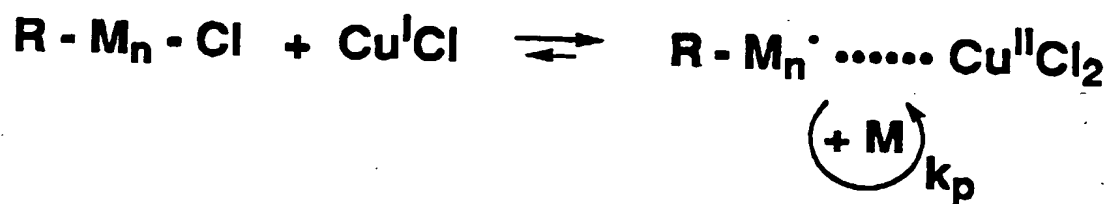
BB

FIGURE 17

Initiation:



Propagation:



BB
cr

BB

FIGURE 18A



FIGURE 18B



BB1
and